



RE: Stormwater Technical Team Call Thursday Aug . 23rd at 1 pm

McKenna, James (Jim) to: Kristine Koch

08/24/2007 11:57 AM

"Andy Koulermos", "Amanda Shellenberger", "Amanda Spencer",
Cc: "Christine Hawley", "Carl Stivers", "Sanders, Dawn", "Gene Revelas",
"Jessica Pisano", "Scheffler, Linda", "Laura Jones", "LaFranchise,

Perfect, thank you Kristine. Jim.

-----Original Message-----

From: Koch.Kristine@epamail.epa.gov

[mailto:Koch.Kristine@epamail.epa.gov]

Sent: Friday, August 24, 2007 11:51 AM

To: McKenna, James (Jim)

Cc: Andy Koulermos; Amanda Shellenberger; Amanda
Spencer; Christine

Hawley; Carl Stivers; Sanders, Dawn; Gene Revelas;

Jessica Pisano;

Scheffler, Linda; Laura Jones; LaFranchise, Nicole;

Rick Applegate; Bob

Wyatt; TARNOW Karen E

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Jim - that is exactly my thoughts and why I put the 3
points of
discussion based on these findings.

Thanks,

Kristine Koch

Remedial Project Manager

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To

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Kristine

Koch/R10/USEPA/US@EPA,

"Carl Stivers"

08/24/2007 11:29

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AM

cc

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Thanks Kristine, this is a useful summary. I would like to get some clarification from the SW subgroup regarding the

definition of "data gaps" on the first sheet. Typically, we identify "target numbers" in our FSPs (i.e., our target is to get 3 water and one sed trap sample from each outfall). The table circulated by Kristine identifies whether the target # was achieved at each site, which is very important information and can help resolve whether a data gap exists. However, I do not think we should equate "unobtained targets" with "data gaps" at this stage. Rather, I would suggest that the subgroup evaluate all the analytical data from the lab before determining there is a data gap.

Jim.

-----Original Message-----

From: Koch.Kristine@epamail.epa.gov
[mailto:Koch.Kristine@epamail.epa.gov]
Sent: Friday, August 24, 2007 10:34 AM
To: Carl Stivers
Cc: Andy Koulermos; Amanda Shellenberger; Amanda Spencer; Christine Hawley; Sanders, Dawn; Gene Revelas; McKenna, James (Jim); Jessica Pisano; Scheffler, Linda; Laura Jones; LaFranchise, Nicole; Rick Applegate; Bob Wyatt; TARNOW Karen E
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Stormwater Technical Team -

I've created a spreadsheet that may be helpful in initiating a discussion for data gaps (Please note that the GE data has not been included). The first sheet labeled "Sites" shows each site with the number of samples collected. Yellow highlighting means that it was a contaminant of interest at the site. Red highlighting means that the minimum number of samples (3 composite water & 1 sediment) were not collected at the site. The numbers in the far right columns show the number of data gaps for the site for water and solids and the numbers at the bottom show the number of data gaps for the column (media/chemical). The second sheet labeled "Land Use" summarizes the data by land use. The blue highlight means it is a unique site and yellow highlighting means that it was the contaminant of interest at the

site (same as the other sheet). Red highlight means that the minimum number of samples were not collected. Green highlight in the total row below each land use means that the minimum required samples was collected (the gray area below the total row shows the minimum number of samples needed). The far right is my initial recommendations for data gaps that need to be filled. For heavy industrial sites, the data gaps are associated with the gaps in data for the unique site rather than for the land use - I put the chemicals in parens.

I see 3 items for discussion on this:

- 1) The number of minimum samples needed for each land use.
- 2) A review of the data to see if the data gaps need to be filled. An example here is metals for mixed land use: There are 17 total water, 12 dissolved water, and 1 sediment trap. Do we need more solids samples or is this enough information?
- 3) A review of the actual analytical data to see if there are other data gaps.

(See attached file: Stormwater Data gaps.xls)

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To

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08/22/2007 02:38
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Technical Team RE: Stormwater
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Stormwater Technical Team -

<<B010162_Blanks_Phthalates.xls>> <<Storm Sample
Matrix with T4 and
GE.xls>> <<Sediment Trap Summary Est.xls>>

We are having a call at 1 pm tomorrow (Aug. 23).
Please use the
following call in number:

Non Responsive



Items on the agenda are:

1. Resolve additional proposal for sediment trap sample handling per City emails since last call.
2. Discuss data adequacy as it relates to FSP Rationale Objectives.
The objective are: (with some text explanation of how the data will be used excerpted from the rationale):
 - a. Stormwater contribution to fish tissue burdens: "Thus, it is necessary to determine the relative contribution of stormwater (as compared to other sources) to surface water concentrations of selected chemicals in the harbor. For stormwater, this would be done in terms of loading estimates."
 - b. Stormwater contribution to recontamination potential: "To predict whether sediments would recontaminate at levels above the PRGs that will eventually be set for the Site, estimates of stormwater loads are needed for input into estimation tools and models described in Section 1.3; these load estimates must be on a spatial scale consistent with those estimation tools and models. The load estimates should be accompanied by partitioning measurements to assist in the estimation of

chemical mass associated with particulates (that may settle to the sediment bed) versus dissolved mass."Atja

3. If the objectives are not adequately met, discuss if there is a need for more sampling in the fall to better meet these objectives.

With regards to the first item, the group requested via email an analysis of whether the phthalates in stormwater were likely a result of blank contamination or similar sampling artifacts. Attached is a table that summarizes this data analysis. In summary, slightly over one-half (155 of 306 results) of the stormwater results from all sampling events were qualified as estimated or undetected because of detections of phthalates in laboratory and field blanks. The stormwater blank results are attached.

With regards to the second and third items, attached are two tables summarizing the number of samples collected (and analytes for those samples) for all sites including the seven T-4 sites and GE Decommissioning site.

Talk to you tomorrow.

Carl

Carl Stivers

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